

Title (en)  
SURFACE INSPECTION METHOD

Title (de)  
OBERFLÄCHENINSPEKTIONSVERFAHREN

Title (fr)  
PROCÉDÉ DE CONTRÔLE D'UNE SURFACE

Publication  
**EP 3658998 A1 20200603 (FR)**

Application  
**EP 18773792 A 20180723**

Priority  
• FR 1757011 A 20170724  
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Abstract (en)  
[origin: WO2019020924A1] The invention relates to a method for inspecting a surface (1) of a workpiece (2) using an image capture device to be mounted on a robot (4), said image capture device (3) comprising a sensor and a lens associated with: an optical centre C, an angular aperture (alpha), and a depth of field (DoF), and defining a sharpness volume (6). The method comprises the following operations: loading a virtual three-dimensional model of the surface (1); generating a virtual three-dimensional model of the sharpness volume (6); tiling the model of the surface (1) using a plurality of unit models of the virtual three-dimensional model of the sharpness volume (6); for each position of the unit models (6), calculating the corresponding position, known as the acquisition position, of the image capture device (3).

IPC 8 full level  
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